

AMENDMENTS TO THE CLAIMS

1. (Currently Amended) An apparatus for generating uniform images of an active matrix organic light emitting diode (OLED) display device ~~which consists of~~ comprising a plurality of pixel devices, each of the pixel devices comprising:

a switch unit having two input ends and an output end, the two input ends connecting respectively to a data line and a scan line;

a storage unit having one end connecting to a supply line and another end connecting to the output end of the switch unit;

a driver unit having two input ends and an output end, one input end connecting to the supply line and another input end connecting to the output end of the switch unit; and

an OLED having an anode and a cathode, the anode being connected to the output ~~unit~~ end of the driver unit and the cathode being connected to a ~~positive~~ power supply~~+, wherein the positive power supply provides~~ providing a voltage to control a shift of a loading curve of the driver unit by raising an electric potential of the output end of the driver unit, thereby minimizing a fluctuation of an output current of the driver unit among the plurality of pixel devices ~~increase the electric potential of the cathode and the anode of the OLED and the electric potential of the output end of the driver unit and reduce the voltage difference of the source electrode and the~~

~~drain electrode (V_{sd}) of the driver unit during operation and keep the voltage difference of the source electrode and the gate electrode (V_{sg}) unchanged.~~

2. (Original) The apparatus of claim 1, wherein the switch unit is a thin film transistor.

3. (Original) The apparatus of claim 1, wherein the driver unit is a thin film transistor.

4. (Original) The apparatus of claim 1, wherein the storage unit includes a capacitor.

5. (Currently Amended) A method for generating uniform images of an active matrix organic light emitting diode (OLED) display device ~~which consists of~~ comprising a plurality of pixel devices, each of the pixel devices comprising a driver unit to drive an OLED to display, the method comprising the steps of:

~~connecting a cathode of the OLED to a positive power supply to provide a voltage to increase the electric potential of the OLED;~~

raising an electric potential of a drain electrode of the driver unit to shift a loading curve of the driver unit;

~~reducing the voltage difference of the source electrode and the drain electrode (V_{sd}) of the driver unit during operation;~~
and

keeping the voltage difference of ~~the~~ an source electrode and ~~the~~ an gate electrode (V_{sg}) unchanged ~~so that~~ to minimize a fluctuation of an output current fluctuations of the driver unit among the plurality of pixel devices ~~decrease while the driver unit is ON~~ when the threshold voltages are different due to characteristic variations of the driver ~~unit~~ units of the plurality of pixel devices.

6. (New) The apparatus of claim 1, wherein the voltage is a positive voltage.

7. (New) The method of claim 5, wherein the step of raising the electric potential of the drain electrode comprises applying a positive voltage to a cathode of the OLED to reduce the voltage difference between the source electrode of the driver unit and the drain electrode of the driver unit during operation.